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SUPPLEMENTAL

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of

Complete if Known				
Application Number	10/075,918			
Filing Date	02/13/2002			
First Named Inventor	Nicole Chantel Barvian			
Art Unit	1625			
Examiner Name	Oh, Taylor V.			
Attorney Docket Number	A0000426-01-CFP			

				DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (f Insourt)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
10		US- 5,130,317	07-14-1992	Baader, et al.	
		US- 5,260,323	11-09-1993	Baader, et al.	
1		US- 5,519,038	05-21-1996	Baader, et al.	
V		US- 2003/0229103A1	12-11-2003	Weithmann, et al.	
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[ <del></del>	·	FORE	IGN PATENT DOC	UMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	-6
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	1,
10		CA 2,082,076	05-06-1993	Weidmann, et al.		
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Application Number Substitute for form 1449/PTO SUPPLEMENTAL INFORMATION DISCLOSURE **Filing Date** 02/13/2002 STATEMENT BY APPLICANT First Named Inventor Nicole Chantel Barvian Art Unit 1625 (Use as many sheets as necessary) **Examiner Name** Oh, Taylor V. Attorney Docket Number Sheet 2 12 A0000426-01-CFP of

		NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issunumber(s), publisher, city and/or country where published.			
20		Office Action mailed 6-16-2003 in U.S. 10/264,764		
		YE, et al., "Catalytic Domains of Matrix Metalloproteinases: A Molecular Biology Approach to Drug Discovery", Curr.Med.Chem., 1996; 3:407-418		
		LOVEJOY, et al., "Crystal structures of MMP-1 and -13 reveal the structural basis for selectivity of collagenase inhibitors", Nature Structural Biol., 1999; 6:217-221		
		MOY, et al., High-resolution solution structure of the catalytic fragment of human collagenase-3 (MMP-13) complexed with a hydroxamic acid inhibitor <sup>a</sup> , J. Mol. Biol., 2000; 302:671-689		
		MITCHELL, et al., "Cloning, Expression, and Type II Collagenolytic Activity of Matrix Metalloproteinase-13 from Human Osteoarthritic Cartilage", J. Clin. Invest., 1996; 97(3):761-768		
		NEUHOLD, et al., "Postnatal expression in hyaline cartilage of constitutively active human collagenase-3 (MMP-13) induces osteoarthritis in mice", J. Clin. Invest., 2001; 107: 35-44		
		DAHLBERG, et al., "Selective Enhancement of Collagenase-Mediated Cleavage of Resident Type II Collagen in Cultured Osteoarthritic Cartilage and Arrest with a Synthetic Inhibitor that Spares Collagenase I (Matrix Metalloproteinase 1), Arthrit. & Rheum., 2000; 43(3): 673-682		
		BILLINGHURST, et al., "Comparison of the Degradation of Type II Collagen and Proteoglycan in Nasal and Articular Cartilages Induced by Interleuken-1 and the Selective Inhibition of Type II Collagen Cleavage by Collagenase", Arthrit. & Rheum., 2000; 43(3): 664-672		
		BILLINGHURST, et al., "Enhanced Cleavage of Type II Collagen by Collagenases in Osteoarthritic Articular Cartilage", J. Clin. Invest., 1997; 99:1534-1545		
V		HIROTA, et al., "Novel Synthesis of Pyrido[3,4-d]pyrimidines, Pyrido[2,3-d]-pyrimidines, and Quinazolines via Palladium-Catalyzed Oxidative coupling", Heterocycles, 1994; 37(1):563-570		

	Examiner Signature	my	Vh.	Date Considered	10	115/0	$\mathcal{Y}$
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and pot considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.